

IN THE UNITED STATES DESIGNATED OFFICE/ELECTED OFFICE  
(DO/EO/US)

INTERNATIONAL APPLICATION NO: PCT/US2004/034968  
INTERNATIONAL FILING DATE: 22 October 2004  
PRIORITY DATE CLAIMED: 22 October 2003  
FOR: NOVEL PHOTOPOLYMERS AND USE IN DENTAL RESTORATIVE  
MATERIALS  
APPLICANTS: CHRISTOPHER N. BOWMAN, HUI LU, AND JEFFREY W.  
STANSBURY

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MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Attention: RO/US

Dear Sir:

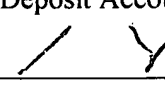
TRANSMITTAL OF 35 USC 371 REQUEST

Please find enclosed:

1. Transmittal
2. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)  
Concerning a Submission Under 35 U.S.C. 371
3. Executed Declaration of **Christopher N. Bowman, Hui Lu and Jeffrey W. Stansbury**
4. Copy of Published Application, Number WO2005/041807 A1
5. Copy of Abstract
6. Please charge all fees to Deposit Account No. 502775
7. Return Postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. The Commissioner is hereby authorized to charge any additional fees or credit overpayment to Deposit Account No. 502775.

GREENBERG TRAURIG LLP  
1200 17<sup>th</sup> Street, Suite 2400  
Denver, CO 80202  
303.572.6500

By:   
Name: George C. Lewis, P.E.  
Reg. No. 53,214  
303.572.6575

GCL/sac

**CUSTOMER NO. 37705**

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 76775.011503 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/576635</b>
INTERNATIONAL APPLICATION NO. PCT/US2004/034968	INTERNATIONAL FILING DATE 22 October 2004	PRIORITY DATE CLAIMED October 22, 2003
TITLE OF INVENTION Novel Photopolymers and Use in Dental Restorative Materials		
APPLICANT(S) FOR DO/EO/US Christopher N. Bowman, Hui Lu and Jeffrey W. Stansbury		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

1AP20R050077710

21 APR 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/576635</b>		INTERNATIONAL APPLICATION NO. PCT/US2004/034968		ATTORNEY'S DOCKET NUMBER 76775.011503	
20. Other items or information: Copy of Published Application No. W02005/041807A1 Copy of Abstract					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 100.00	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>600.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
30 - 100 =	0 /50 =	0	x \$250	\$ 0	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$ 0	
Total claims	43 - 20 =	23	x \$50	\$ 1,150.00	
Independent claims	5 - 3 =	2	x \$200	\$ 400.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			0 + \$360	\$ 0	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 2,150.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>\$ 1,075.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ 0	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 1,075.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 1,075.00</b>	
				Amount to be refunded:	\$
				Amount to be charged	\$1,075

10/576635

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

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- 1AP206210000000 21 APR 2006
- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 502775 in the amount of \$ 1075.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 502775. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

George C. Lewis, P.E.  
GREENBERG TRAURIG LLP  
1200 17th Street  
Suite 2400  
Denver, CO 80202

SIGNATURE

George C. Lewis, P.E.

NAME

53,214

REGISTRATION NUMBER